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United States Patent [19]

DiSanto et al.

[11] **Patent Number:** 5,359,346[45] **Date of Patent:** Oct. 25, 1994[54] **ELECTROPHORETIC DISPLAY PANEL AND ASSOCIATED METHODS FOR BLINKING DISPLAYED CHARACTERS**[75] **Inventors:** Frank J. DiSanto, North Hills; Denis Krusos, Lloyd Harbor, both of N.Y.[73] **Assignee:** Copytele, Inc., Huntington Station, N.Y.[21] **Appl. No.:** 88,615[22] **Filed:** Jul. 7, 1993**Related U.S. Application Data**

[63] Continuation of Ser. No. 841,364, Feb. 25, 1992, abandoned.

[51] **Int. Cl.⁵** G09G 3/34[52] **U.S. Cl.** 345/107; 345/141[58] **Field of Search** 340/787, 788, 783; 359/296; 345/107, 141, 84, 55, 56[56] **References Cited****U.S. PATENT DOCUMENTS**

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A tetrode type electrophoretic display includes local anode lines electrically grouped into groups having the width of a character. In operation, the local anode may be used to blink selected characters by applying appropriate voltages to the various electrodes of the display in the proper sequence. Sequencing is controlled by a computer and associated software.

17 Claims, 6 Drawing Sheets